

Claim 1. A crib patting device comprising:

means for engaging an underside of a mattress,
means for moving said means for engaging an underside of a mattress in a substantially vertical direction,
said means for engaging an underside of a mattress being mounted on one end of a horizontal arm, and
said means for moving said means for engaging an underside of a mattress in a substantially vertical direction being mounted on another end of said horizontal arm.

Claim 2. The crib patting device as claimed in claim 1, wherein a pivot point is positioned beneath said horizontal arm, and

said means for engaging an underside of a mattress is mounted on one side of said pivot point, and

said means for moving said means for engaging an underside of a mattress in a substantially vertical direction is mounted on another side of said pivot point.

Claim 3. The crib patting device as claimed in claim 1, wherein said means for engaging an underside of a mattress is a pad,

said pad is secured to said horizontal arm by a threaded post.

Claim 4. The crib patting device as claimed in claim 1, wherein said pad is mounted on an upper surface of said horizontal arm.

Claim 5. The crib patting device as claimed in claim 1, wherein said means for moving said means for engaging an underside of a mattress in a substantially vertical direction is a metallic plate and a means for attracting said metallic plate,

said metallic plate being secured to said another end of said horizontal arm, and

said means for attracting said metallic plate is mounted beneath said horizontal arm.

Claim 6. The crib patting device as claimed in claim 5, wherein said means for attracting said metallic plate is an electro magnet.

Claim 7. The crib patting device as claimed in claim 5, wherein said means for attracting said metallic plate is a solenoid.

Claim 8. The crib patting device as claimed in claim 1, wherein said means for moving said means for engaging an underside of a mattress in a substantially vertical direction is a cam.

Claim 9. The crib patting device as claimed in claim 8, wherein said cam is eccentrically mounted above a top surface of said horizontal arm and engages said top surface as it rotates.

Claim 10. The crib patting device as claimed in claim 1, wherein said means for moving said means for engaging an underside of a mattress in a substantially vertical direction is a second arm which is secured at one end to said horizontal arm, and

said second arm is secured at another end to a wheel, and means for rotating said wheel.

Claim 11. The crib patting device as claimed in claim 10, wherein said second arm is secured to said wheel at a point offset from a center of said wheel.

Claim 12. The crib patting device as claimed in claim 10, wherein said means for rotating said wheel is a second wheel,

said second wheel engages a circumference of said wheel.

Claim 13. The crib patting device as claimed in claim 12, wherein said second wheel is rotated by a motor.

Claim 14. The crib patting device as claimed in claim 1, wherein said means for moving said means for engaging an underside of a mattress in a substantially vertical direction is a piston.

Claim 15. The crib patting device as claimed in claim 14, wherein said piston is mounted in a housing, and
an adjustment means for adjusting the distance between said piston and said horizontal arm is mounted above said piston.

Claim 16. The crib patting device as claimed in claim 15, wherein said adjustment means comprises:
a plurality of ribs,
said ribs being positioned on an outer surface of said adjustment means,
said ribs being spaced in a vertical direction whereby a plurality of rows are created between said ribs, and
said housing has a projection which fits into said rows to hold said adjustment means in a plurality of vertical positions.

Claim 17. The crib patting device as claimed in claim 16, wherein said ribs are spaced in a horizontal direction so that at least one slot is formed between said ribs, and

said projection fits in said slot to move said projection between said rows.

Claim 18. The crib patting device as claimed in claim 16, wherein a spring is mounted between said adjustment means and said piston.